

## REMARKS

The notice mailed 9/27/2006 indicated that the amendment was non-compliant because claims 30 and 74 had no status identifiers. Applicant submits the corrected response with the correct status identifiers for claims 30 and 74.

Claims 1-90 were subject to a restriction requirement. The examiner requires restriction to one of the following inventions:

1. Claims 1-84, drawn to methods for identifying sequences of molecules and sequence modifications from mass spectroscopy data; or
2. Claims 85-90, drawn to computer readable medium and computer based systems that implement identification of sequences of molecules and sequence modifications from mass spectroscopy.

Applicant provides an election of the invention, a listing of claims, and cancellation of non-elected claims.

### ***Election of Invention:***

Applicant elects Group I, identified as methods for identifying sequences of molecules and sequence modifications from mass spectroscopy data.

### ***Election of Claims:***

Applicant elects claims 1-84.

### ***Cancellation of Non-Elected Claims:***

Applicant cancels claims 85-90. Applicant reserves the right to prosecute the non-elected claims in a divisional application.

## CONCLUSION

Applicant believes that the application is now in condition for examination.

Respectfully submitted,

HELLER EHRMAN LLP

By: 

Paul Davis, Reg. No. 29,294

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275 Middlefield Road  
Menlo Park, CA 94025  
Telephone: (650) 324-7041  
Customer No. 25213